

IN THE CLAIMS

Please amend claim 1, 5, 6, 11, 14, 17, 20, 21, 24, 25, 28, 29, 30, 34, 36, 38, 39, 43, 45, 47, 49, 51, 53, 54, 55, and 56 as set forth below.

A complete listing of all claims in this application is set forth below.

1. (currently amended) A prosthesis implantation method, comprising the steps of:

positioning a trial assembly in a resected bone, said trial assembly including a trial body portion having a trial bore defined therein, and a trial head portion having (i) a trial head member which includes a trial offset indicia, and (ii) an eccentrically located trial head stem extending from said trial head member, said trial head stem being configured to be received within said trial bore;

rotating said trial head portion relative to said trial body portion while said trial assembly is positioned in said resected bone so as to position said trial head portion relative to said trial body portion at an aligned orientation whereby said trial head portion covers a resected surface of said resected bone;

removing said trial assembly from said resected bone after said rotating step;

positioning said trial assembly in a scale mechanism having a plurality of distinct values displayed thereon whereby said trial offset indicia of said trial head portion aligns with a value one of said plurality of distinct values displayed on said scale mechanism;

securing a final head portion to a final body portion based on said value one of said plurality of distinct values so as to form a final prosthesis assembly; and

implanting said final prosthesis assembly in said resected bone after said securing step.

2. (original) The method of claim 1, further comprising the step of securing said trial head portion to said trial body portion when said trial head portion is positioned relative to said trial body portion at said aligned orientation.

3. (original) The method of claim 2, wherein:

said trial body portion includes a set of internal threads located within said trial bore,

said trial head portion further includes an externally threaded fastener positioned within a passageway which extends through said trial head portion, and

said securing step includes the step of advancing said externally threaded fastener into meshing engagement with said set of internal threads so as to secure said trial head portion in fixed relation to said trial body portion.

4. (original) The method of claim 1, wherein:

said trial body includes (i) a trial body stem, (ii) a neck attached to said trial body stem, and (iii) a flat attached to said neck, and

said trial bore extends through said flat and into said neck.

5. (currently amended) The method of claim 1, wherein:

said scale mechanism includes as indicia surface, and

said ~~value is identified~~ plurality of distinct values are displayed on said indicia surface.

6. (currently amended) The method of claim 5, wherein:

said indicia surface possesses markings which depict a clock which is divided into a plurality of sections, and

said ~~value~~ one of said plurality of distinct values is identified on one of said plurality of sections.

7. (original) The method of claim 5, wherein:

said scale mechanism includes a channel defined therein, and said trial assembly positioning step includes the step of locating said trial body portion within said channel.

8. (original) The method of claim 7, wherein:

said trial body portion locating step includes the step of locating said trial head portion adjacent to said indicia surface.

9. (original) The method of claim 1, wherein said final head portion includes (i) a final head member having a final offset indicia, and (ii) an eccentrically located final head stem extending from said final head member.

10. (previously amended) The method of claim 9, wherein:
said final head stem possesses a male taper configuration,
said final body portion has a final bore defined therein,
said final bore possesses a female taper configuration, and
said securing step includes the step of advancing said final head stem into
said final bore in a friction fit manner.

11. (currently amended) The method of claim 9, wherein:
said scale mechanism includes an indicia surface,
said ~~value~~ one of said plurality of distinct values is indicated on said
indicia surface,
said scale mechanism further includes a channel defined therein, and
said securing step includes locating said final body portion within said
channel.

12. (previously amended) The method of claim 11, wherein said securing
step further includes locating said final head portion adjacent to said indicia
surface.

13. (previously amended) The method of claim 12, wherein said securing
step further includes positioning said final head portion relative to said final body
portion at said aligned orientation.

14. (currently amended) The method of claim 13, wherein said step of positioning said final head portion relative to said final body portion includes the step of aligning said final offset indicia with said ~~value~~ one of said plurality of distinct values identified on said indicia surface.

15. (original) The method of claim 9, wherein:
said trial offset indicia includes a notch defined in a surface of said trial head member, and
said final offset indicia includes a removable sticker positioned on said final head member.

16. (original) The method of claim 1, wherein said resected bone is a resected humerus.

17. (currently amended) A prosthesis implantation method, comprising the steps of:

providing a trial assembly which includes a trial body portion having a trial bore defined therein, and a trial head portion having (i) a trial head member which includes a trial offset indicia, and (ii) an eccentrically located trial head stem extending from said trial head member;

positioning said trial body portion in a resected bone;

positioning said trial stem in said trial bore after said trial body positioning step;

moving said trial head portion in relation to said trial body portion after said trial stem positioning step so as to locate said trial head portion relative to said trial body portion at a user-selected orientation;

securing said trial head portion to said trial body portion at said user-selected orientation;

removing said trial assembly from said resected bone after said securing step;

positioning said trial assembly in a scale mechanism having a plurality of distinct values displayed thereon after said removing step whereby said trial offset indicia of said trial head portion aligns with ~~a value~~ one of said plurality of distinct values displayed on said scale mechanism;

attaching a final head portion in fixed relation to a final body portion based on said ~~value~~ one of said plurality of distinct values so as to form a final prosthesis assembly; and

implanting said final prosthesis assembly in said resected bone after said attaching step.

18. (original) The method of claim 17, wherein:

said trial body portion includes a set of internal threads located within said trial bore,

said trial head portion further includes an externally threaded fastener positioned within a passageway which extends through said trial head portion, and

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said securing step includes the step of advancing said externally threaded fastener into meshing engagement with said set of internal threads so as to secure said trial head portion in fixed relation to said trial body portion.

19. (original) The method of claim 17, wherein:

said trial body portion includes (i) a trial body stem, (ii) a neck attached to said trial body stem, and (iii) a flat attached to said neck, and

said trial bore extends through said flat and into said neck.

20. (currently amended) The method of claim 17, wherein:

said scale mechanism includes an indicia surface, and

said ~~value is identified~~ plurality of distinct values are displayed on said indicia surface.

21. (currently amended) The method of claim 20, wherein:

said indicia surface possesses markings which depict a clock which is divided into a plurality of sections, and

said ~~value~~ one of said plurality of distinct values is identified on one of said plurality of sections.

22. (original) The method of claim 20, wherein:

said scale mechanism includes a channel defined therein, and

said trial assembly positioning step includes the step of locating said trial body portion within said channel.

23. (original) The method of claim 22, wherein said trial body portion

locating step includes the step of locating said trial head portion adjacent to said indicia surface.

24. (original) The method of claim 17, wherein:

said final head portion includes (i) a final head member having a final offset indicia, and (ii) an eccentrically located final head stem extending from said final head member,

said final head stem possesses a male taper configuration,

said final body portion has a final bore defined therein,

said final bore possesses a female taper configuration, and

said attaching step includes the step of advancing said final head stem into said final bore in a friction fit manner.

25. (currently amended) The method of claim 24, wherein:

said scale mechanism includes an indicia surface,

said ~~value is indicated~~ one of said plurality of distinct values is displayed

on said indicia surface,

said scale mechanism further includes a channel defined therein, and

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said attaching step includes the steps of (i) locating said final body portion within said channel, (iii) positioning said final head portion relative to said final body portion so that said final offset indicia is aligned with said ~~value identified~~ one of said plurality of distinct values displayed on said indicia surface.

26. (original) the method of claim 24, wherein:

said trial offset indicia includes a notch defined in a surface of said trial head member, and

said final offset indicia includes a removable sticker positioned on said final head member.

27. (original) The method of claim 17, wherein said resected bone is a resected humerus.

28. (currently amended) A kit, comprising:

a trial assembly including a trial body portion having a trial bore defined therein, and a trial head portion having (i) a trial head member which includes a trial offset indicia defined in a first bearing surface thereof, and (ii) an eccentrically located trial stem extending from said trial head member, said trial head stem being configured to be received within said trial bore; and

a final prosthesis assembly including a final body portion having a final bore defined therein, and a final head portion having (i) a final head member which includes a final offset indicia positioned on a second bearing surface thereof, and (ii) an eccentrically located final head stem extending from said final head portion, said final head stem being configured to be received within said final bore.

29. (currently amended) The kit of claim 28, further comprising a scale mechanism having an indicia surface, wherein:

said indicia surface having a plurality of distinct values displayed thereon,

said scale mechanism has a channel defined therein which is configured to receive said trial body portion, and

said channel is configured so that said trial head portion is positioned adjacent to said indicia surface when (i) said trial body portion is located within said channel, and (ii) said trial head portion is supported by said trial body portion.

30. (currently amended) The kit of claim 29, wherein:
said indicia surface possesses markings which depict a clock which is
divided into a plurality of sections, and
each of said plurality of sections possesses a distinct value ~~indicated~~
displayed thereon.

31. (original) The kit of claim 28, wherein:
said trial body portion includes a set of internal threads located within said
trial bore,
said trial head portion further includes an externally threaded fastener
positioned within a passageway which extends through said trial head portion,
and
said externally threaded fastener is configured to meshingly engage said
set of internal threads so as to secure said trial head portion in fixed relation to
said trial body portion.

32. (original) the kit of claim 28, wherein:
said final head stem possesses a male taper configuration,
said final body portion has a final bore defined therein,
said final bore possesses a female taper configuration, and
advancement of said final head stem into said final bore of said final body
portion in a friction fit manner causes said final head portion to be secured to
said final body portion.

33. (original) The kit of claim 28, wherein:

said trial body portion includes (i) a trial body stem, (ii) a neck attached to said trial body stem, and (iii) a flat attached to said neck, and
said trial bore extends through said flat and into said neck.

34. (currently amended) The kit of claim 28, wherein:

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said trial offset indicia includes a notch defined in said first bearing surface of said trial head member, and

said final offset indicia includes a removable sticker positioned on a said second bearing surface of said final head member.

35. (original) The kit of claim 28, wherein:

said trial body portion is configured to be advanced into a humerus, and
said final body portion is also configured to be advanced into said humerus.

36. (currently amended) A kit, comprising:

a trial assembly including (i) a trial body portion, (ii) a trial head portion which includes a trial offset indicia defined in a first bearing surface thereof, and (iii) a fastener for securing said trial head portion to said trial body portion, and

a final prosthesis assembly including a final body portion having a final bore defined therein, and a final head portion having (i) a final head member which includes a final offset indicia positioned on a second bearing surface thereof, and (ii) an eccentrically located final head stem extending from said final head portion, said final head stem being configured to be received within said final bore.

37. (original) The kit of claim 36, wherein:

said trial body portion has a trial bore defined therein, and

said trial head portion has (i) a trial head member which includes said trial offset indicia, and (ii) an eccentrically located trial stem extending from said trial head member, said trial head member being configured to be received within said trial bore.

38. (currently amended) The kit of claim 36, further comprising a scale mechanism having an indicia surface, wherein:

said indicia surface having a plurality of distinct values displayed thereon,

said scale mechanism has a channel defined therein which is configured to receive said trial body portion, and

said channel is configured so that said trial head portion is positioned adjacent to said indicia surface when (i) said trial body portion is located within said channel, and (ii) said trial head portion is supported by said trial body portion.

39. (currently amended) The kit of claim 38, wherein:

said indicia surface possesses markings which depict a clock which is divided into a plurality of sections, and

each of said plurality of sections possesses a distinct value indicated displayed thereon.

40. (original) The kit of claim 37, wherein:

said trial body portion includes a set of internal threads located within said trial bore,

said fastener includes an externally threaded portion,

said fastener is configured to be received within a passageway which extends through said trial head portion, and

said externally threaded portion is configured to meshingly engage said set of internal threads so as to secure said trial head portion in fixed relation to said trial body portion.

41. (original) The kit of claim 36, wherein:

said final head stem possesses a male taper configuration,

said final body portion has a final bore defined therein,

said final bore possesses a female taper configuration, and

advancement of said final head stem into said final bore of said final body portion in a friction manner causes said final head portion to be secured to said final body portion.

42. (original) The kit of claim 37, wherein:

said trial body portion includes (i) a trial body stem, (ii) a neck attached to said trial body stem, and (iii) a flat attached to said neck, and

said trial bore extends through said flat and into said neck.

43. (currently amended) The kit of claim 37, wherein:

said trial offset indicia includes a notch defined in said first bearing surface of said trial head member, and

said final offset indicia includes a removable sticker positioned on a said second bearing surface of said final head member.

44. (original) The kit of claim 36, wherein:

said trial body portion is configured to be advanced into a humerus, and

said final body portion is also configured to be advanced into said humerus.

45. (currently amended) A prosthesis implantation method, comprising the steps of:

positioning a trial assembly in a resected bone, said trial assembly including a trial body portion having a trial body mating component, and a trial head portion having (i) a trial head member which includes a trial offset indicia, and (ii) an eccentrically located trial head mating component, said trial head mating component being configured to mate with said trial body mating component;

rotating said trial head portion relative to said trial body portion while said trial assembly is positioned in said resected bone so as to position said trial head portion relative to said trial body portion at an aligned orientation whereby said trial head portion covers a resected surface of said resected bone;

removing said trial assembly from said resected bone after said rotating step;

positioning said trial assembly in a scale mechanism having a plurality of distinct values displayed thereon whereby said trial offset indicia of said trial head portion aligns with ~~a value~~ one of said plurality of distinct values displayed on said scale mechanism;

securing a final head portion to a final body portion based on said ~~value~~ one of said plurality of distinct values so as to form a final prosthesis assembly; and

implanting said final prosthesis assembly in said resected bone after said securing step.

46. (previously amended) The method of claim 45, wherein said trial body mating component and said trial head mating component are each selected from the group consisting of: a bore and a stem.

47. (currently amended) A prosthesis implantation method, comprising the steps of:

providing a trial assembly which includes a trial body portion having a trial body mating component, and a trial head portion having (i) a trial head member which includes a trial offset indicia, and (ii) an eccentrically located trial head mating component;

positioning said trial body portion in a resected bone;

mating said trial body mating component with said trial head mating component after said trial body positioning step;

moving said trial head portion in relation to said trial body portion after said mating step so as to locate said trial head portion relative to said trial body portion at a user-selected orientation;

securing said trial head portion to said trial body portion at said user-selected orientation;

removing said trial assembly from said resected bone after said securing step;

positioning said trial assembly in a scale mechanism having a plurality of distinct values displayed thereon after said removing step whereby said trial offset indicia of said trial head portion aligns with ~~a value~~ one of said plurality of distinct values displayed on said scale mechanism;

attaching a final head portion in fixed relation to a final body portion based on said ~~value~~ one of said plurality of distinct values so as to form a final prosthesis assembly; and

implanting said final prosthesis assembly in said resected bone after said attaching step.

48. (previously amended) The method of claim 47, wherein said trial body mating component and said trial head mating component are each selected from the group consisting of: a bore and a stem.

49. (currently amended) A kit, comprising:

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a trial assembly including a trial body portion having a trial body mating component, and a trial head portion having (i) a trial head member which includes a trial offset indicia defined in a first bearing surface thereof, and (ii) an eccentrically located trial head mating component, said trial head mating component being configured to mate with said trial body mating component; and

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a final prosthesis assembly including a final body portion having a final body mating component, and a final head portion having (i) a final head member which includes a final offset indicia positioned on a second bearing surface thereof, and (ii) an eccentrically located final head mating component, said final head mating component being configured to mate with said final body mating component.

50. (previously amended) The kit of claim 49, wherein:

said trial body mating component and said trial head mating component are each selected from the following group: a trial bore and a trial stem, and said final body mating component and said final head mating component are each selected from the group consisting of: a final bore and a final stem.

51. (currently amended) A kit, comprising:

a trial assembly including (i) a trial body portion, (ii) a trial head portion which includes a trial offset indicia defined in a first bearing surface thereof, and (iii) a fastener for securing said trial head portion to said trial body portion; and

C₁ a final prosthesis assembly including a final body portion having a final body mating component, and a final head portion having (i) a final head member which includes a final offset indicia positioned on a second bearing surface thereof, and (ii) an eccentrically located final head mating component, said final head mating component being configured to mate with said final body mating component.

52. (previously amended) The kit of claim 51, wherein said final body mating component and said final head mating component are each selected from the group consisting of: a bore and a stem.

53. (currently amended) A prosthesis implantation method, comprising the steps of:

positioning a trial assembly in a resected bone, said trial assembly including a trial body portion having a trial body mating component, and a trial head portion having (i) a trial head member which includes a trial offset indicia, and (ii) a trial head mating component, said trial head mating component being configured to mate with said trial body mating component, and wherein at least one of the following two components is eccentrically located: said trial body mating component and said trial head mating component;

rotating said trial head portion relative to said trial body portion while said trial assembly is positioned in said resected bone so as to position said trial head portion relative to said trial body portion at an aligned orientation whereby said trial head portion covers a resected surface of said resected bone;

removing said trial assembly from said resected bone after said rotating step;

positioning said trial assembly in a scale mechanism having a plurality of distinct values displayed thereon whereby said trial offset indicia of said trial head portion aligns with ~~a value~~ one of said plurality of distinct values displayed on said scale mechanism;

securing a final head portion to a final body portion based on said ~~value~~ one of said plurality of distinct values so as to form a final prosthesis assembly; and

implanting said final prosthesis assembly in said resected bone after said securing step.

54. (currently amended) A prosthesis implantation method, comprising the steps of:

providing a trial assembly which includes a trial body portion having a trial body mating component, and a trial head portion having (i) a trial head member which includes a trial offset indicia, and (ii) a trial head mating component, wherein at least one of the following two components is eccentrically located:

said trial body mating component and said trial head mating component;

positioning said trial body portion in a resected bone;

mating said trial body mating component with said trial head mating component after said trial body positioning step;

moving said trial head portion in relation to said trial body portion after said mating step so as to locate said trial head portion relative to said trial body portion at a user-selected orientation;

securing said trial head portion to said trial body portion at said user-selected orientation;

removing said trial assembly from said resected bone after said securing step;

positioning said trial assembly in a scale mechanism having a plurality of distinct values displayed thereon after said removing step whereby said trial offset indicia of said trial head portion aligns with ~~a value~~ one of said plurality of distinct values displayed on said scale mechanism;

attaching a final head portion in fixed relation to a final body portion based on said ~~value~~ one of said plurality of distinct values so as to form a final prosthesis assembly; and

implanting said final prosthesis assembly in said resected bone after said attaching step.

55. (currently amended) A kit, comprising:

a trial assembly including a trial body portion having a trial body mating component, and a trial head portion having (i) a trial head member which includes a trial offset indicia defined in a first bearing surface thereof, and (ii) a trial head mating component, said trial head mating component being configured to mate with said trial body mating component; and

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a final prosthesis assembly including a final body portion having a final body mating component, and a final head portion having (i) a final head member which includes a final offset indicia positioned on a second bearing surface thereof, and (ii) an eccentrically located final head mating component, said final head mating component being configured to mate with said final body mating component,

wherein at least one of the following two components is eccentrically located: said trial body mating component and said trial head mating component.

56. (currently amended) A prosthesis implantation method, comprising the steps of:

positioning a trial assembly in a resected bone, said trial assembly including a trial body portion having a trial body mating component, and a trial head portion having (i) a trial head member which includes a trial offset indicia, and (ii) an eccentrically located trial head mating component, said trial head mating component being configured to mate with said trial body mating component;

rotating said trial head portion relative to said trial body portion while said trial assembly is positioned in said resected bone so as to position said trial head portion relative to said trial body portion at an aligned orientation whereby said trial head portion covers a resected surface of said resected bone;

removing said trial assembly from said resected bone after said rotating step;

positioning said trial assembly in a scale mechanism having a series of gradations displayed thereon whereby said trial offset indicia of said trial head portion aligns with one of a series of gradations ~~located~~ displayed on said scale mechanism;

securing a final head portion to a final body portion based on said value one of said series of gradations so as to form a final prosthesis assembly; and

implanting said final prosthesis assembly in said resected bone after said securing step.